

FIG. 1

Master Control Station - User: SuperUser [Tool: DEM1][Tube1: DX11]

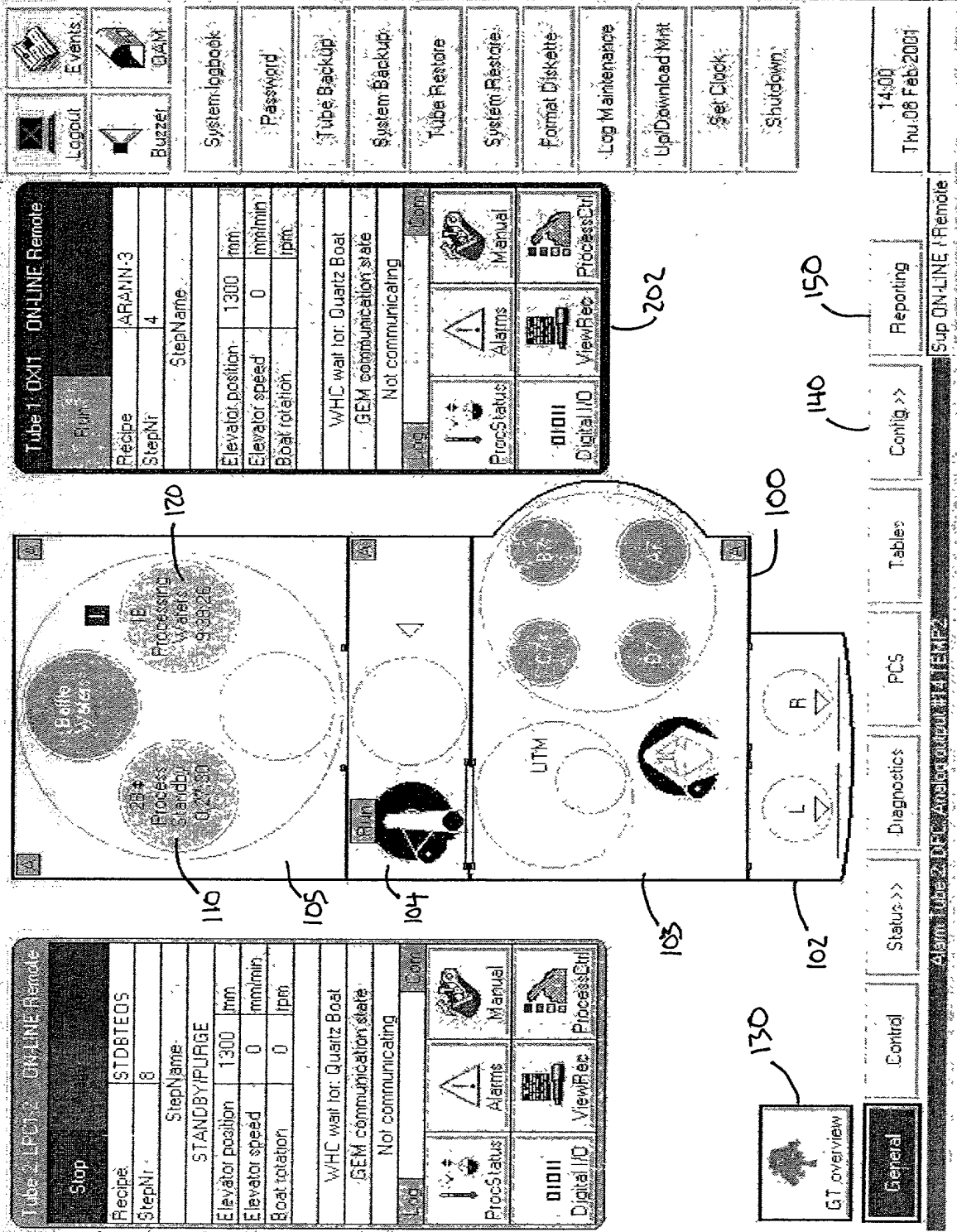


FIG. 2

Start time: 2000-10-01 00:00:00 End time: 2000-11-01 23:59:59

Channel	Unit	T1 (DEM1)	T2 (DEM2)	$\Sigma$
Ar	SL	8182.59	-	8182.59
DCS	SL	-	455.40	455.40
Exhaust	M <sup>3</sup>	11309540.24	11252595.11	22562135.35
H2	SCC	8447.01	-	8447.01
N2	SL	433219.72	1876721.98	2309941.70
N2 Carousel	SL	354196.17	-	354196.17
N2 Purge	SL	193544.55	6305.37	199849.92
N2-Bubbl	SL	360.59	-	360.59
NH3	SL	-	0.00	0.00
NO	SL	259.55	-	259.55
O2	SL	12991.83	-	12991.83
PH3/N2	SCC	-	1391717.47	1391717.47
Power	Kwh	53.87	41.28	95.15
SiH4	SL	-	0.00	0.00
Teos	SL	-	5613.88	5613.88
Water	L	1945579.87	1589338.20	3534918.07

Exit

Filter

Print

Print Setup

Export

Alarm Type 2: WHC-BIM Ann. WHR-0001 Watch

FIG. 3

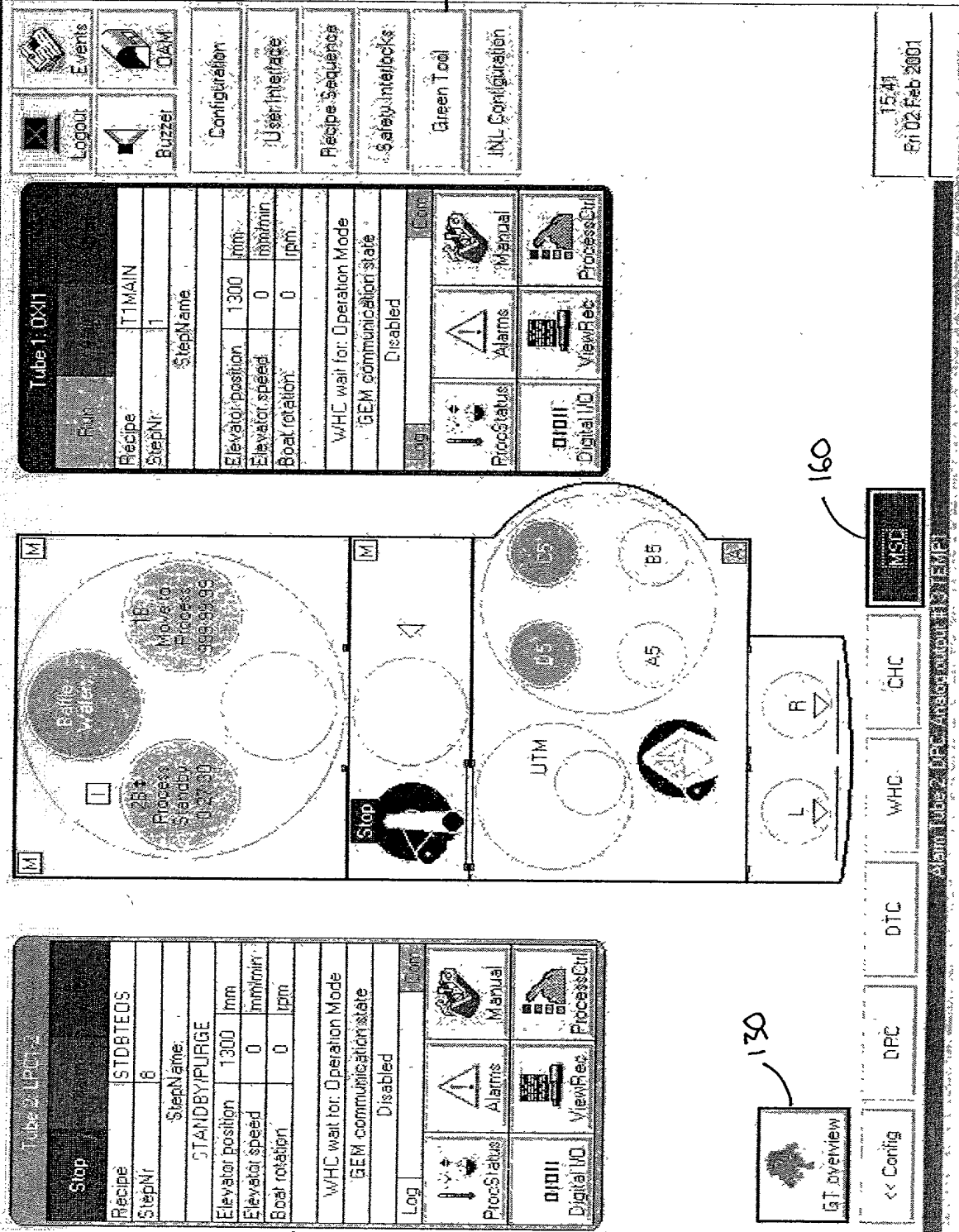


FIG. 4

[illegible]

Consumable: 02      Source: ox1      Lights      SL      measured per      Minute

I/O Channel		Correction	When	=	(and)
A0 3: 02-High	»	»		»	»
+ A0 4: 02-Low	»	1	1000	»	»
+	»			»	»
+	»			»	»
+	»			»	»
+	»			»	»
+	»			»	»
+	»			»	»

OK Cancel

OK Cancel

Alarm Type: WHC: 01 Alarm: WHP door switch

12:13  
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FIG. 6

Green Tool Configuration editor - [Tool: DEM1]

Consumable: Power Source: OX11 Units: Kwh measured per: Hour

I/O Channel	Correction	When	End
Power zone: 1	6.327		
* Power zone: 2	28.319		
* Power zone: 3	28.92		
* Power zone: 4	10.283		
+ Power zone: 5	13.283		
+ Power zone: 6	4.964		
+	100		
*			

OK Cancel

Comp. OX11 OX12 OX13 OX14

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Alarm 1 de 2: D.C. Alarm Output #1 TEMP1

FIG. 7

MasterControl Station - User: SuperUser [Tool DEM1] [Tube: OX11]

Tube 2: LPC1-2

Stop

Recipe:	STD81EDS
StepNr:	8
StepName:	
STANDBY/PURGE	
Elevator position	1300 mm
Elevator speed	0 mm/min
Boat rotation	0 rpm
WHC wait for Quartz Boat	
GEM communication state	
Disabled	

Log

ProcStatus

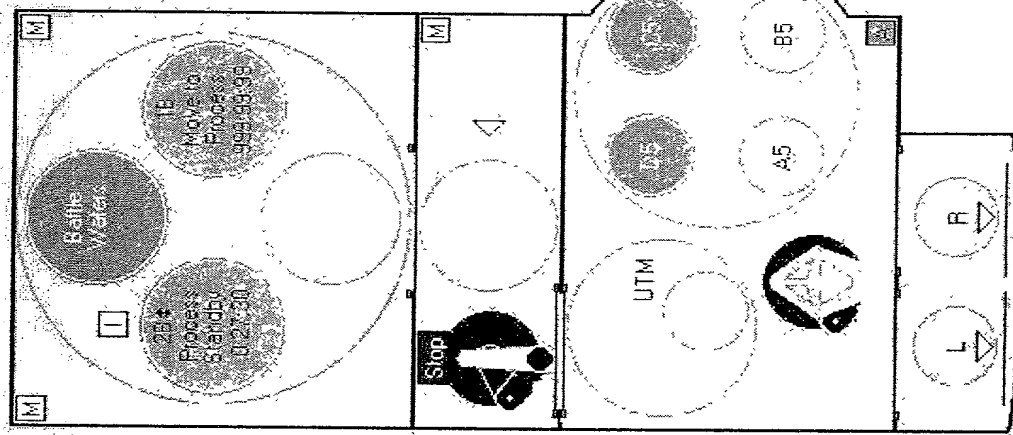
Alarms

Digital I/O

Manual

ViewRec

ProcessCtrl



Tube 1: OX11

Run

Recipe:	T1MAIN
StepNr:	1
StepName:	
Elevator position	1300 mm
Elevator speed	0 mm/min
Boat rotation	0 rpm
WHC wait for Quartz Boat	
GEM communication state	
Disabled	

Log

ProcStatus

Alarms

Digital I/O

Manual

ViewRec

ProcessCtrl

Events

LogOut

Buzzer

DAM

Batch

Event

Tabular

Graphs

Green Tool

GT overview

General

Control

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Reporting

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FIG. 8







Start time: 2000-05-29 00:00:00 End time: 2000-07-02 23:59:59

Time Stamp	N2	N2/Atmos	A	N2/Run	Power	N2
SL	SL	SL	SL	SL	kwh	SL
Wk22 2000-05-29	0.00	232433.27	35.30	46070.93	7.96	96364.13
Wk23 2000-06-05	0.00	209270.93	100.10	30542.02	7.89	97302.21
Wk24 2000-06-12	0.00	56008.93	101.35	15117.32	25.80	62757.88
Wk25 2000-06-19	0.00	248741.58	104.47	49076.31	6.46	96316.30
Wk26 2000-06-26	0.00	166886.02	55.41	19722.24	3.80	52603.92

$\Sigma$	0.00	973240.73	465.53	100553.21	51.91	407455.03
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Sample Date: 2000-05-29

Sample no: 1

No of samples: 5

Alarm Tube 2: WHC, BTM Elevator, 1 meter

FIG. 11